

Grade 7 – Strand: Location and Movement

Pre-Knowledge What do you need to know to start learning this concept?	Concept	Future Concepts What future concepts can you learn once you understand this concept?	Real World Connection How does learning this connect to the real world in a meaningful manner?
<ul style="list-style-type: none"> • Know what the quadrants are • Sense of number line 	<ul style="list-style-type: none"> • Plot points using 4 quadrants of Cartesian plane 	<ul style="list-style-type: none"> • How to plot point and create lines or other shapes (i.e. parabola) 	<ul style="list-style-type: none"> • Maps • Driving directions, GPS
<ul style="list-style-type: none"> • Know what enlargement and reduction means; know what scale would be appropriate 	<ul style="list-style-type: none"> • Scale and basic transformations (stretch and compress) 	<ul style="list-style-type: none"> • Use in grade 11 and 12 for function transformations 	<ul style="list-style-type: none"> • Use in architect
<ul style="list-style-type: none"> • Have the ability to visualize rotations 	<ul style="list-style-type: none"> • Transformations and Translations 	<ul style="list-style-type: none"> • Graphing functions • Useful in physics and even geography 	<ul style="list-style-type: none"> • Use in architect • Solving puzzles
<ul style="list-style-type: none"> • Knowledge of polygons and plane 	<ul style="list-style-type: none"> • Tiling planes with polygons 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Playing Tetris • Interior/exterior decorator • Deck/floor/patio tiling